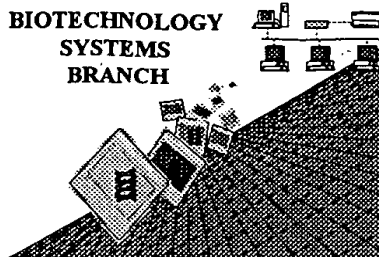# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _10/006, 818_
Source: _61PE,_
Date Processed by STIC: _12/17/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE**
    APPLICANT, WITH A NOTICE TO COMPLY or,
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A**
    NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: **patin21help@uspto.gov** or phone **703-306-4119 (R. Wax)**
PATENTIN 3.0 e-mail help: **patin3help@uspto.gov** or phone **703-306-4119 (R. Wax)**

TO **REDUCE** ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:
     http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood
Mail Facility.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:
1. EFS-Bio **(<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission
   User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
   1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202
            Or
   U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
   Lobby, Room 1B03, Arlington, Virginia 22202
4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
   Arlington, VA 22202

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/006,818_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFT

1 ____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length

Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences
(OLD RULES)

Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) ...
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences
(NEW RULES)

Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220>

Sequence(s) _375_ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n!

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,818

DATE: 12/17/2001
TIME: 11:14:29

Input Set : **A:\Seq__Listing_for_P2830P1C4.wpd**
Output Set: **N:\CRF3\12172001\J006818.raw**

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 4         Botstein, David
 5         Desnoyers, Luc
 6         Eaton, Dan l.
 7         Ferrara, Napoleone
 8         Fong, Sherman
 9         Gao, Wei-Qiang
10         Goddard, Audrey
11         Godowski, Paul J.
12         Grimaldi, Christopher J.
13         Gurney, Austin L.
14         Hillan, Kenneth J.
15         Pan, James
16         Paoni, Nicholas F.
18 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
19         Acids Encoding the Same
21 <130> FILE REFERENCE: P2830P1C4
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/006,818
C--> 23 <141> CURRENT FILING DATE: 2001-12-06
23 <150> PRIOR APPLICATION NUMBER: 60/098716
24 <151> PRIOR FILING DATE: 1998-09-01
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Does Not Comply
Corrected Diskette Needed

P-6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,818

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Output Set: **N:\CRF3\12172001\J006818.raw**

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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/006,818**

DATE: 12/17/2001
TIME: 11:14:29

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Output Set: **N:\CRF3\12172001\J006818.raw**

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RAW SEQUENCE LISTING   DATE: 12/17/2001
PATENT APPLICATION: US/10/006,818   TIME: 11:14:29

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,818

DATE: 12/17/2001
TIME: 11:14:29

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Output Set: N:\CRF3\12172001\J006818.raw

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<211> 1098
<212> DNA
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see item 11 on Exa Summary Sheet

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FYI Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 12/17/2001
PATENT APPLICATION: **US/10/006,818**   TIME: 11:14:30

Input Set : **A:\Seq__Listing_for_P2830P1C4.wpd**
Output Set: **N:\CRF3\12172001\J006818.raw**

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L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:520 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:523 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1342 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:1345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:1355 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:1358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
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L:1914 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
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L:3957 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59

Input Set : A:\Seq__Listing_for_P2830P1C4.wpd
Output Set: N:\CRF3\12172001\J006818.raw

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L:3960 M:257 W: Feature value mis-spelled or invalid,
L:3970 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:59
L:3973 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:60
L:3983 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:60
L:3986 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:61
L:4030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 <221> Name/Key for SEQ ID#:61
L:4122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:4158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:4185 M:220 C: Keyword misspelled or invalid format,
L:4188 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:64
L:4198 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:64
L:4201 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:65
L:4211 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:65
L:4214 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:66
L:4694 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:66
L:4697 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:73
L:4707 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:73
L:4710 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:74
L:4720 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:74
L:4723 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:75
L:5092 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:75
L:5095 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:80
L:5108 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:80
L:5118 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:81
L:5121 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:82
L:5881 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:82
L:5884 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:89
L:5894 M:220 C: Keyword misspelled or invalid format, <221> Name/Key for SEQ ID#:89
L:5897 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:90
L:5907 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:90
L:5910 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:91
L:5920 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:91
L:5923 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:92
L:5933 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:92
L:5936 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:93
L:6143 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:93
L:6146 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:96
L:6156 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:96
L:6159 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:97
L:6169 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:97
L:6172 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:98
L:6884 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:98
L:6887 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:105
L:6897 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:105
L:6900 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:106
L:6910 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:106
L:6913 M:257 W: Feature value mis-spelled or invalid format, <213> ORGANISM for SEQ ID#:107
L:6923 M:220 C: Keyword misspelled or invalid, <221> Name/Key for SEQ ID#:107
L:6926 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:108
                                                       <221> Name/Key for SEQ ID#:108
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/006,818

DATE: 12/17/2001
TIME: 11:14:30

Input Set : A:\Seq__Listing_for_P2830P1C4.wpd
Output Set: N:\CRF3\12172001\J006818.raw

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L:6936  M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109
L:6939  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:109
L:7066  M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:112
L:7069  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112
L:7079  M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:113
L:7082  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:113
L:7092  M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114
L:7095  M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114
L:7473  M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:119
L:14262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259
L:20824 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:20824 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:20939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:22554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422
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